



APR SUPERCHARGER PULLEY INSTALLATION INSTRUCTIONS

APR, LLC

4800 US HWY 280 West Opelika, AL 36801

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Notes:

These instructions were written for an Audi S4, but other models (Audi A6, etc.) are similar.

When disassembling the car, be sure to keep and mark all fasteners so they can be reused. It is recommend that you get some kind of compartmented tray to organize the fastners, such as a fishing tackle box or several large ice cube trays. Fasteners that are not reused for reinstallation are noted in the instructions.

These instructions assume that you have basic mechanical skills and several varieties of the tools listed in order to install the kit. If you have any questions about the install, feel free to contact your APR representative.



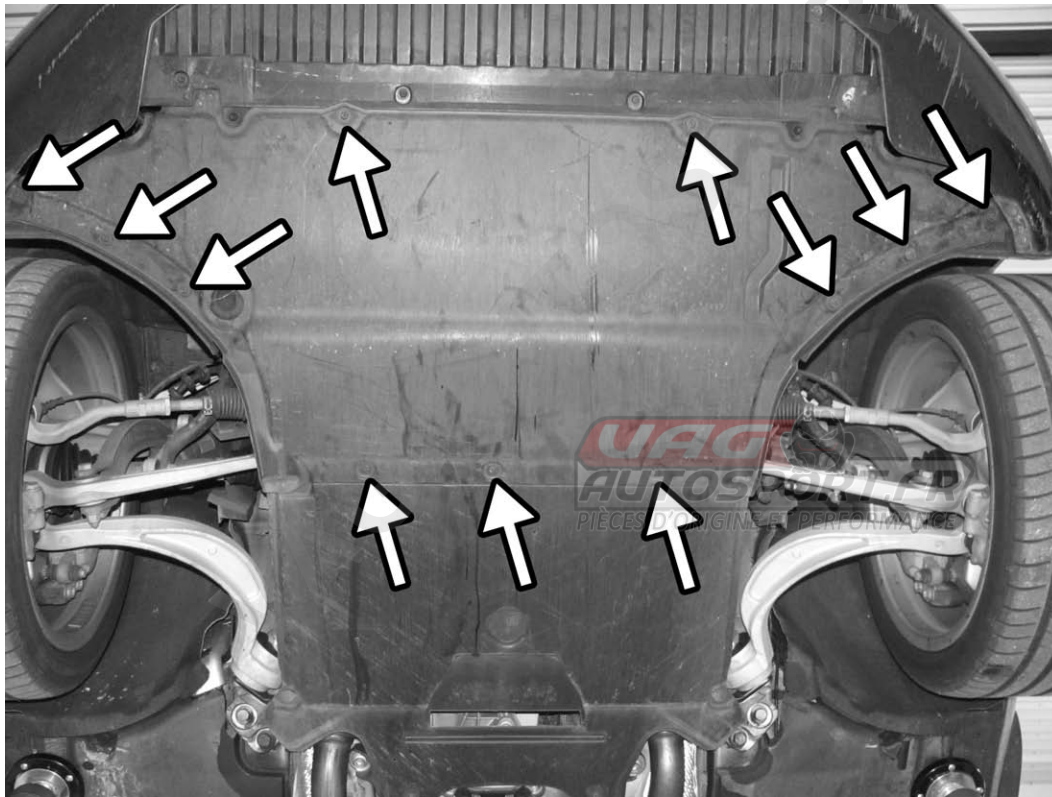
1) Place APR pulley in 350° toaster oven (or equivalent) for one hour (or more). Place the oven on a cart to ensure it can be moved close to the vehicle. Exceeding 350° can damage the finish on the pulley.

2) Securely lift vehicle. If a vehicle lift is not used, secure the vehicle with jack stands. Remove both front wheels.



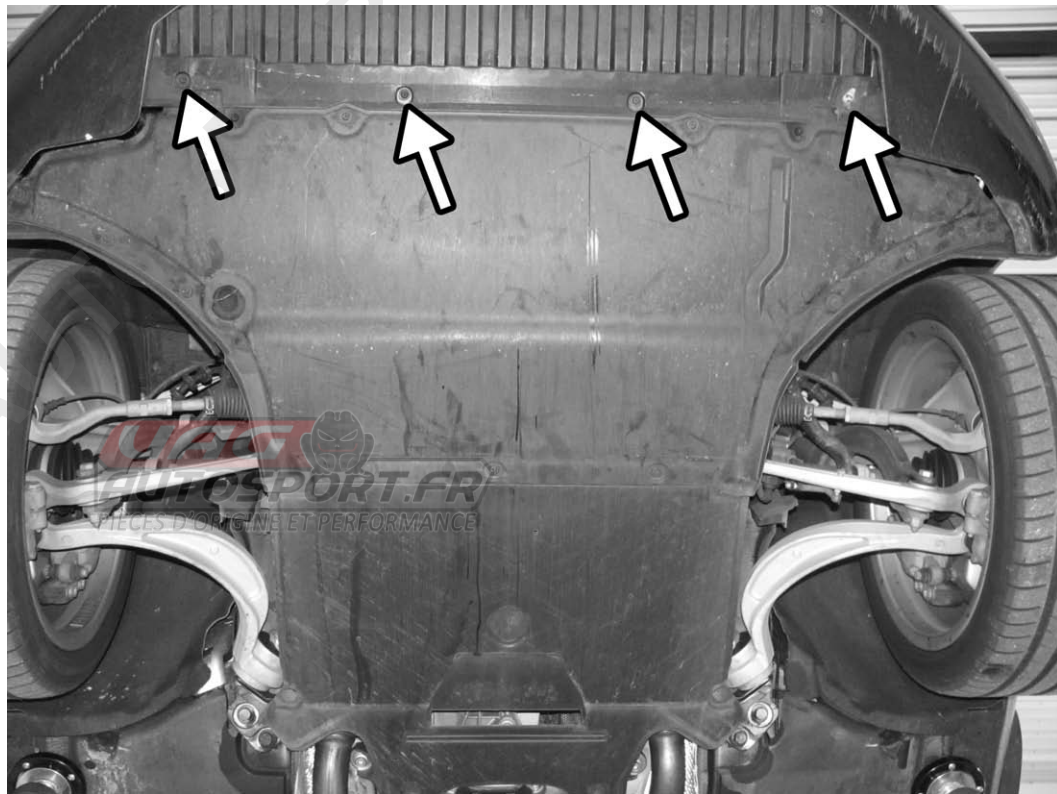
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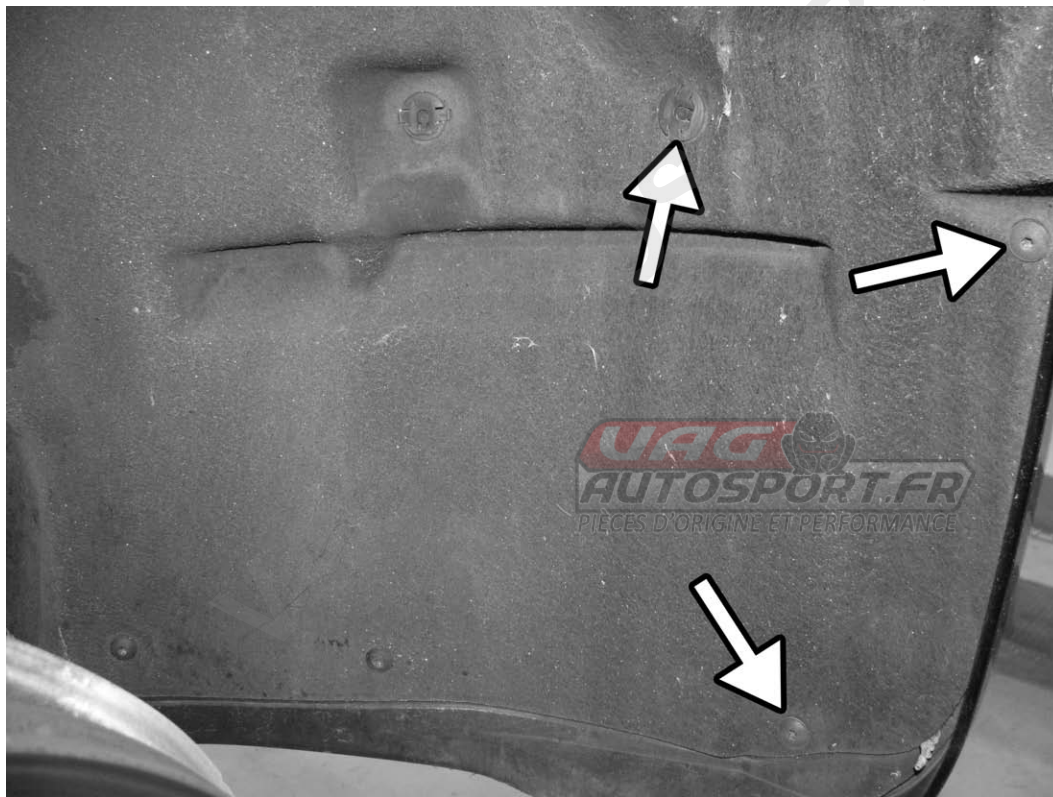
3) Remove the 11 quarter turn fasteners from belly pan with a screwdriver and remove the belly pan.

4) Remove the 4 T30 Torx screws from bottom of bumper cover.



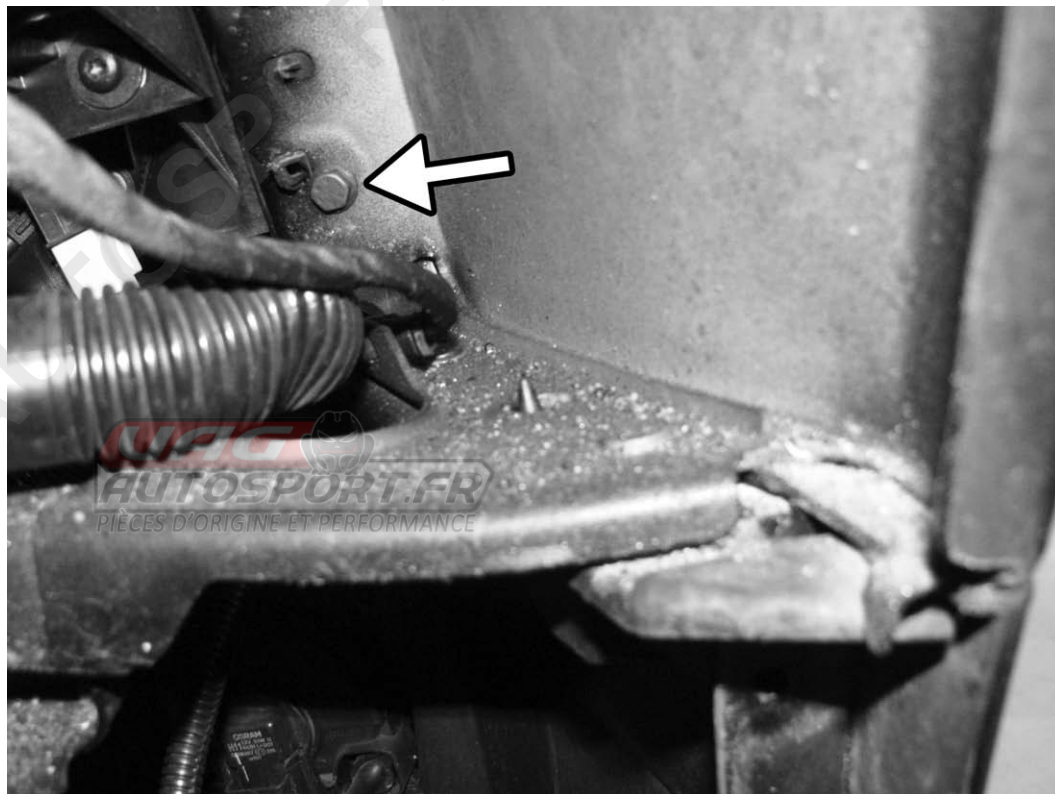
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5) Remove 2 outer T25 Torx screws from fender well liner and the outer plastic clip. Repeat on both sides.

6) Pull back fender liner and remove the 10mm bolt from bumper cover. Repeat on both sides.



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7) Remove 4 T30 Torx screws from upper bumper trim cover and remove the cover.

8) Remove 2 T25 Torx screws from top of bumper cover.

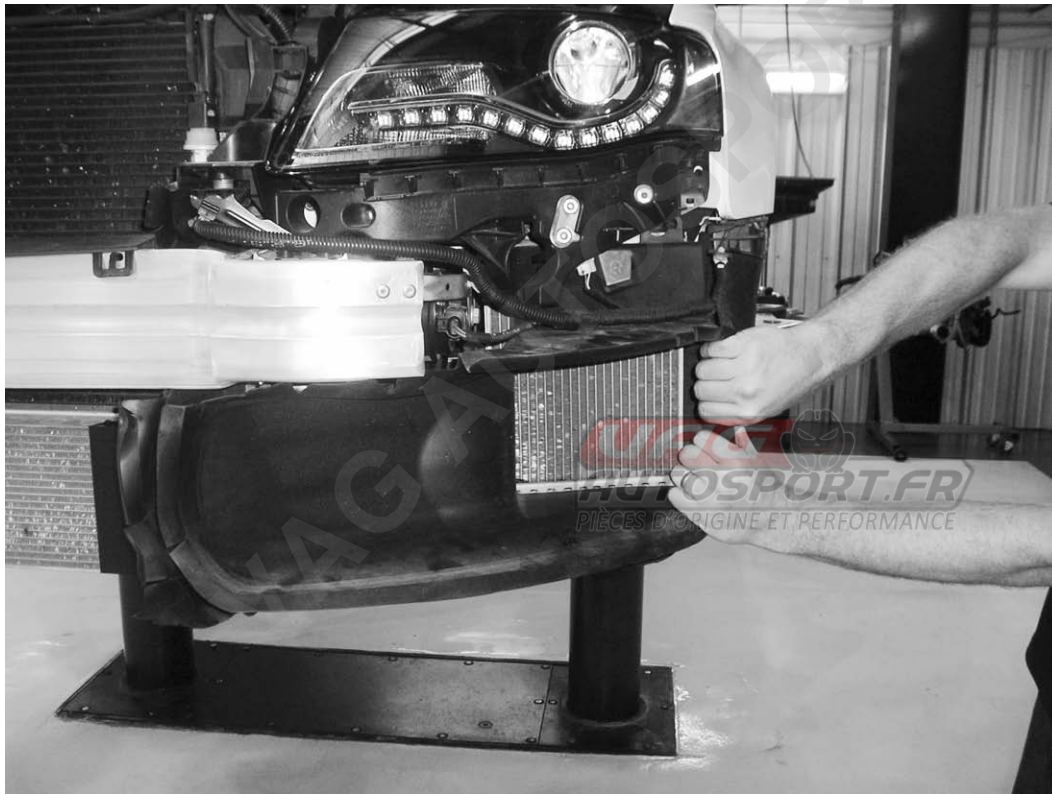




9) Carefully pop the upper corner of bumper cover out. Repeat on opposite side.

10) Carefully pull bumper cover forward and disconnect left and right fog light harness. Remove bumper cover.





11) Carefully remove the radiator ducting.

12) Remove 2 T30 Torx screws from bottom of radiator core support.



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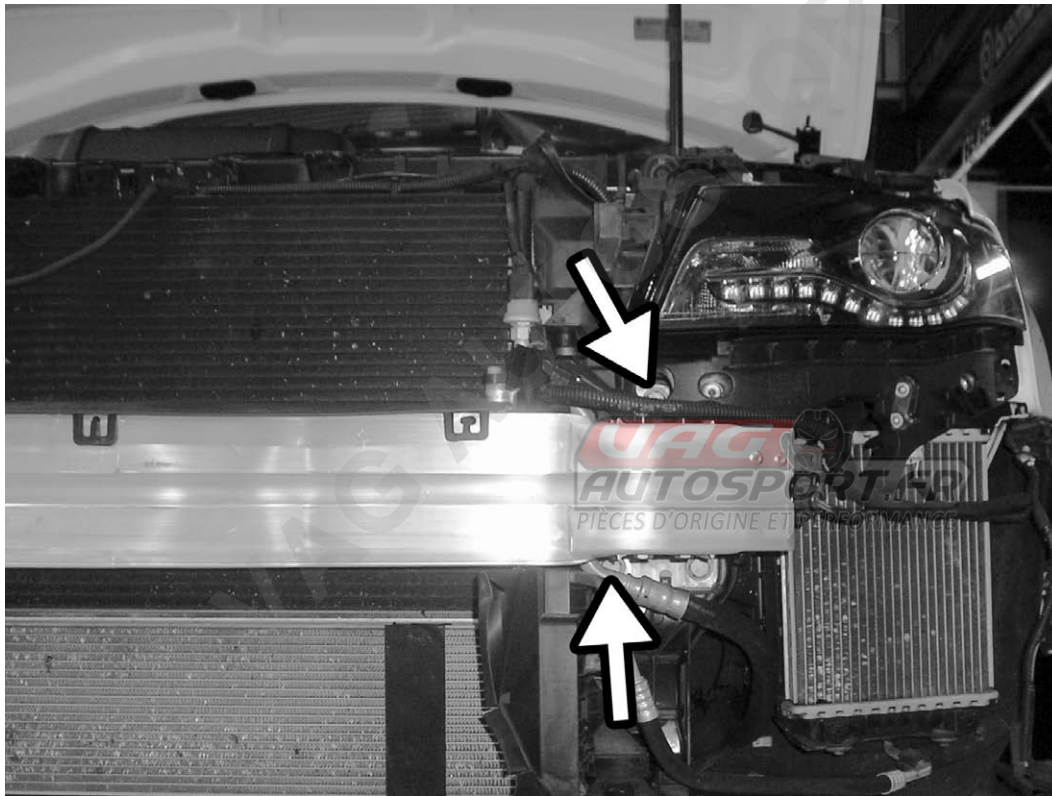
13) Remove 2 T30 Torx screws from top of radiator core support.

14) There are six 16mm bolts attaching the radiator core support to the front frame rails. ONLY remove the lower, outer bolts on both sides and replace these with the long bolts supplied with the APR Pulley kit. Only thread the bolts in to the same depth as the factory fastener.



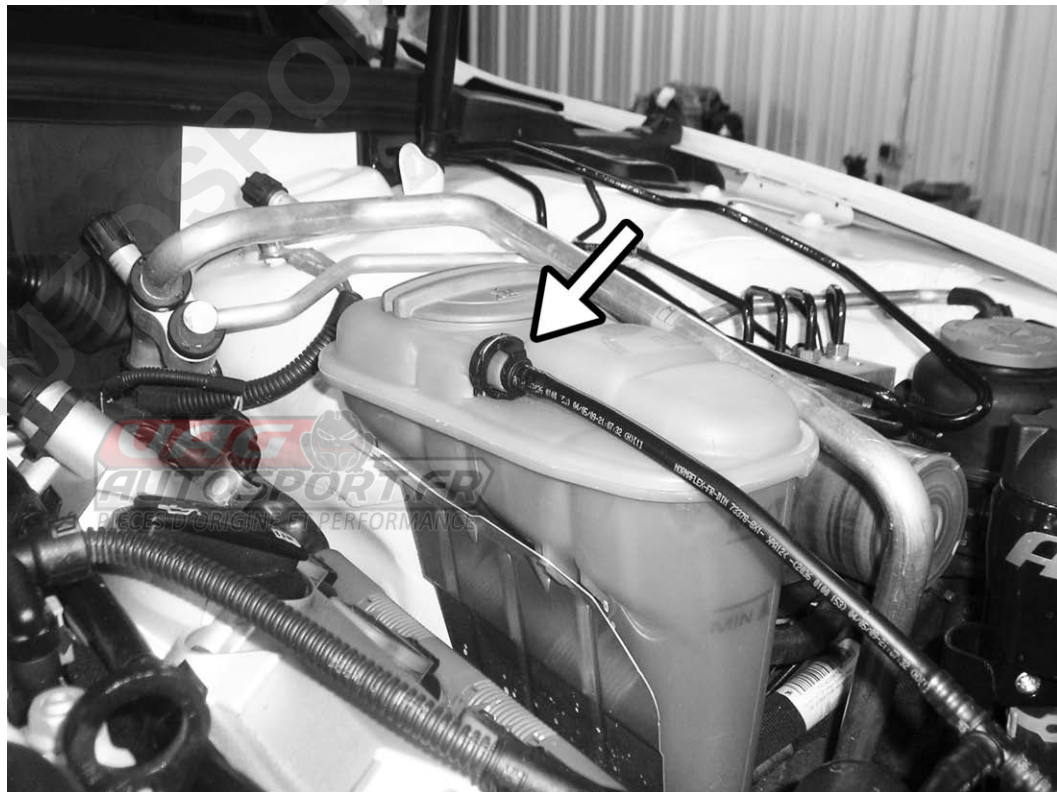
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15) Remove the remaining four 16mm bolts holding the core support to the frame rails.

16) Disconnect coolant bleed line from expansion tank.



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17) Carefully pull the radiator core support forward slightly and disconnect right and left headlight harnesses. The core support can then be pulled fully forward on the two bolts previously installed.

18) Remove front plastic cover from supercharger.



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19) Using a 16mm wrench, release tension on supercharger's belt tensioner by pushing down and carefully remove the belt.

20) Remove plastic cap from stock supercharger pulley.



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21) Install the supplied “half-moon” pieces around stock pulley. One half moon set fits the stock pulley and the other set fits the APR pulley.

22) Install supplied “ring” around the two half-moon pieces that are installed on the pulley. This may require the slight tap of a hammer.



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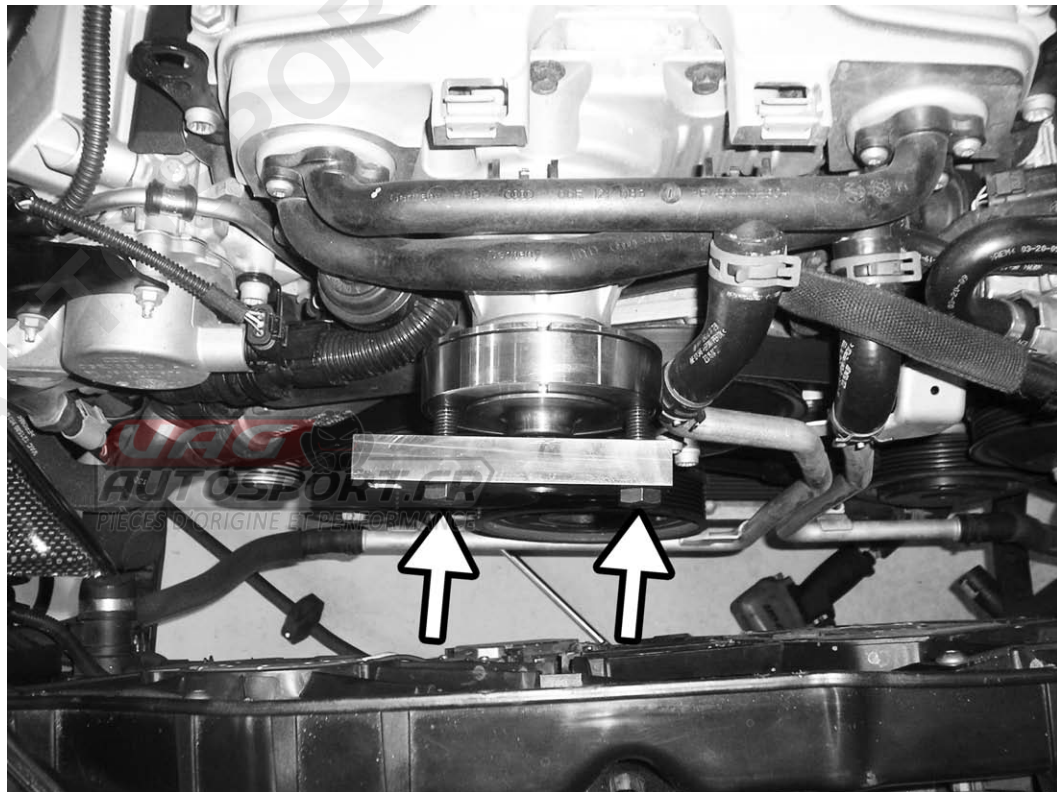
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23) Generously apply supplied Liqui Moly to end of the supercharger's drive shaft.

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24) Install supplied "block" with the two supplied M10x1.5-50 bolts to "half moon" pieces. Thread bolts hand tight until the "block" bottoms out against pulley.





25) Apply a generous amount of Liqui Moly to supplied "screw" on both the end of it and its threads. Hand thread the screw in the "block" until the end touches the supercharger's drive shaft.

26) Install a 1/2" breaker bar into "block" and connect to "screw" with a 1/2" ratchet (19mm). Hold the breaker bar and tighten "screw" until pulley is removed.



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27) Now that the stock pulley is removed, move the oven close to car so that pulley can be installed as quickly as possible.

28) While wearing a high temperature glove remove pulley from oven and install it on supercharger's drive shaft. The pulley will bottom out on shaft. Be sure to hold it in place for a few seconds to ensure it doesn't move.



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29) Cool the assembly with compressed air.

30) Install the supercharger's drive belt after lifting the tensioner arm with a 16mm wrench.



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31) Reinstall plastic cap on the APR pulley (if so desired).

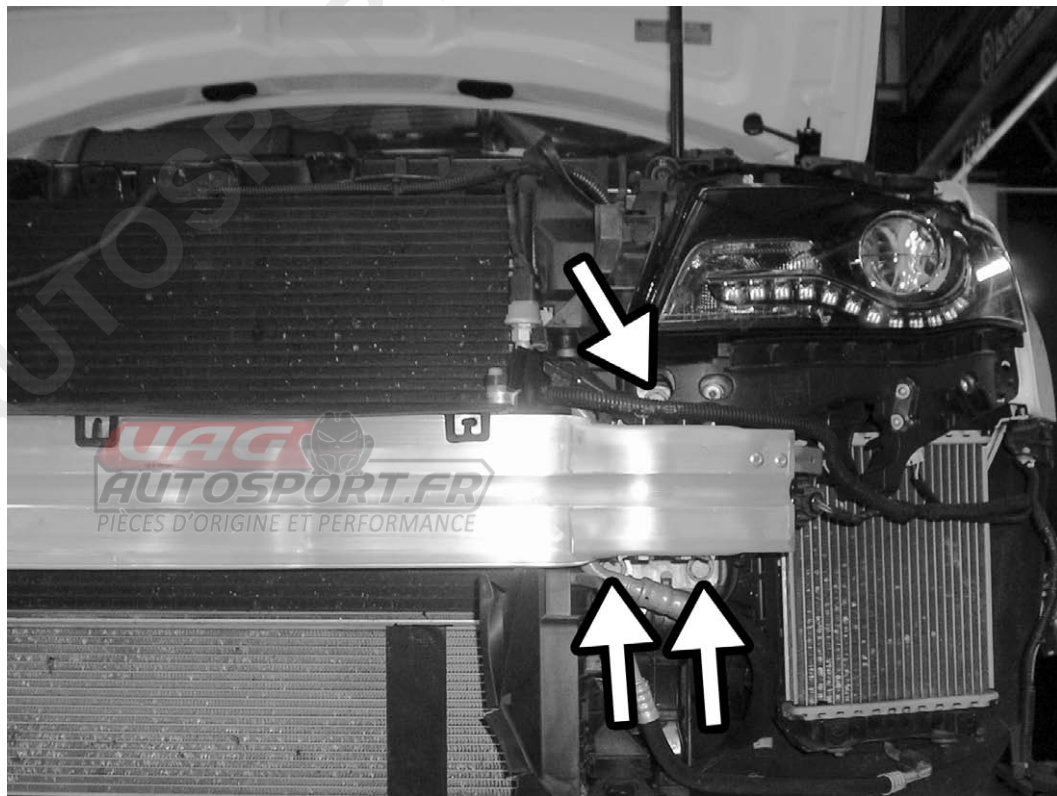
32) Push radiator core support back into place, making sure to reconnect the left and right headlight harnesses.





33) Reconnect coolant bleed line to expansion tank.

34) Reinstall the four 16mm bolts holding the radiator core to the frame rails. Then remove the long APR supplied bolts and reinstall the last two stock bolts.



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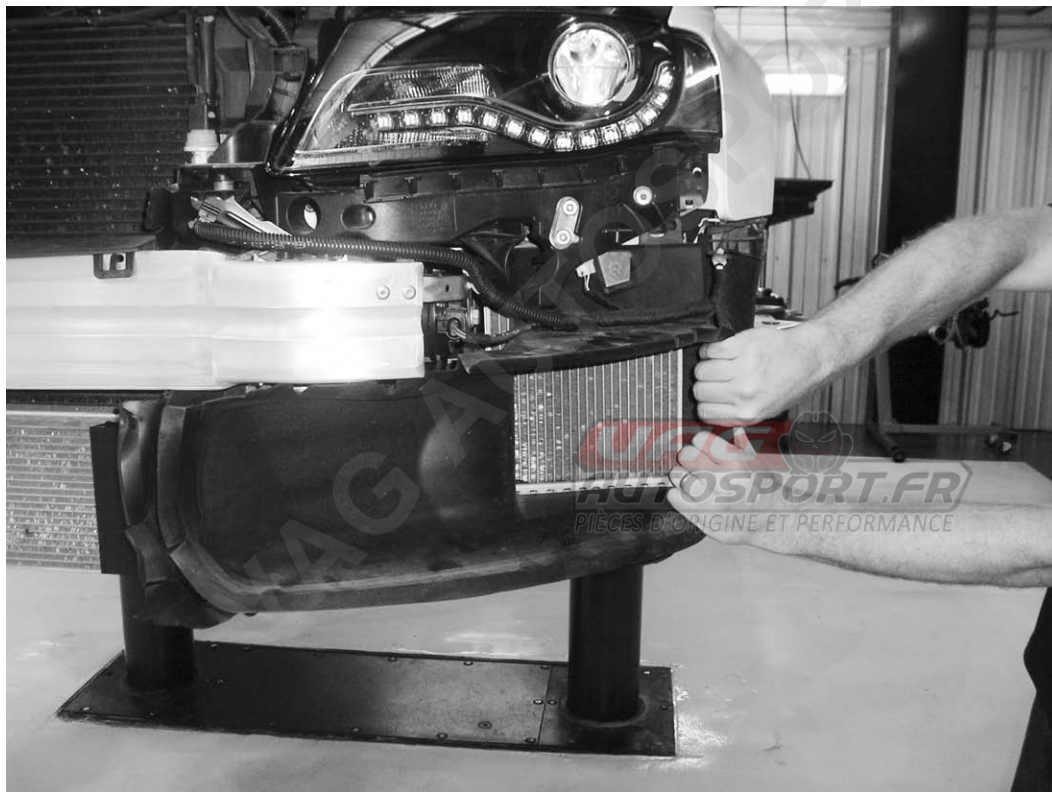
35) Reinstall 2 T30 Torx screws in the bottom of radiator core support.

36) Reinstall the front plastic cover on the supercharger. Reinstall the 2 T30 screws on the top corners of the radiator core support.



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37) Reinstall the radiator ducting on the side radiator.

38) Reinstall bumper cover, being sure to reconnect the left and right fog light harnesses.





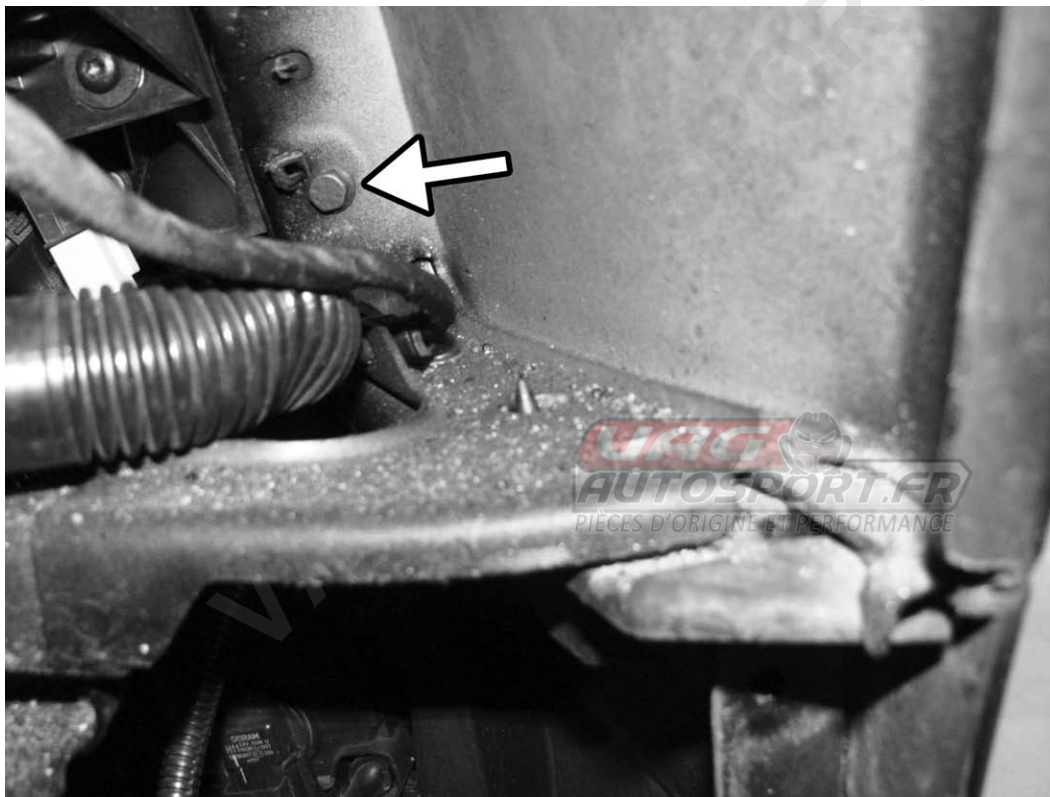
39) Reinstall 2 T25 Torx screws from top of bumper cover.

40) Reinstall upper bumper trim and then fasten with the 4 T30 Torx screws.



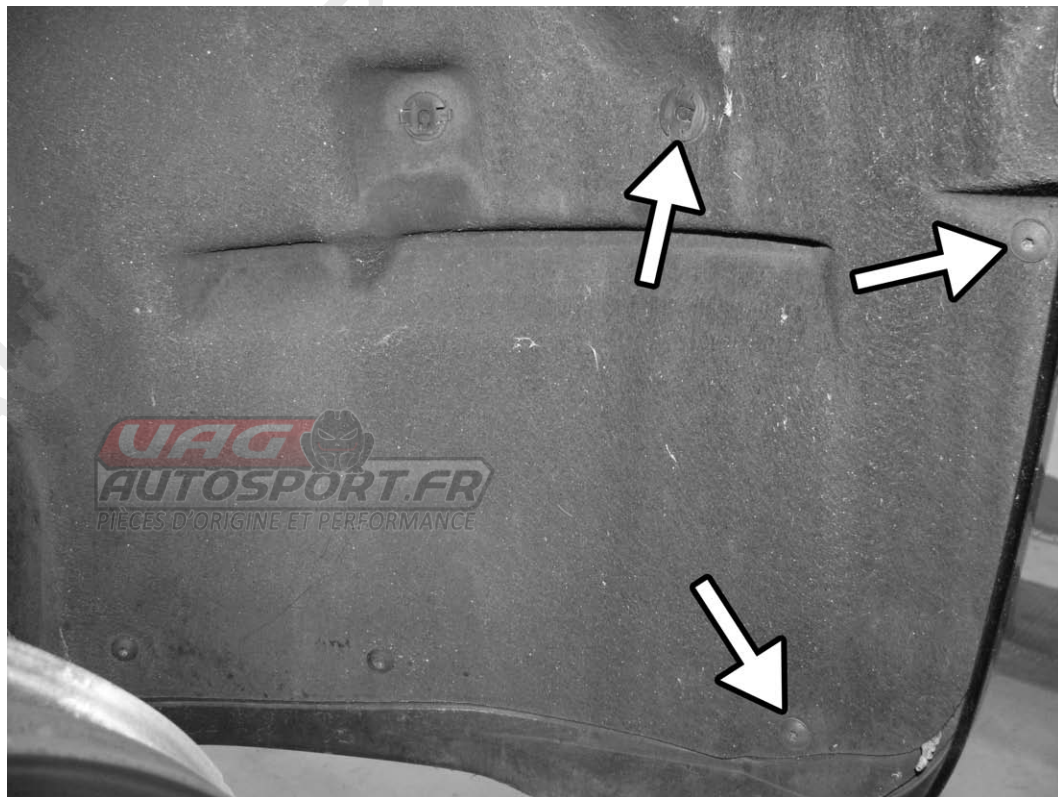
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41) Pull back fender liners and reinstall the 10mm bolts on both sides of the bumper cover.

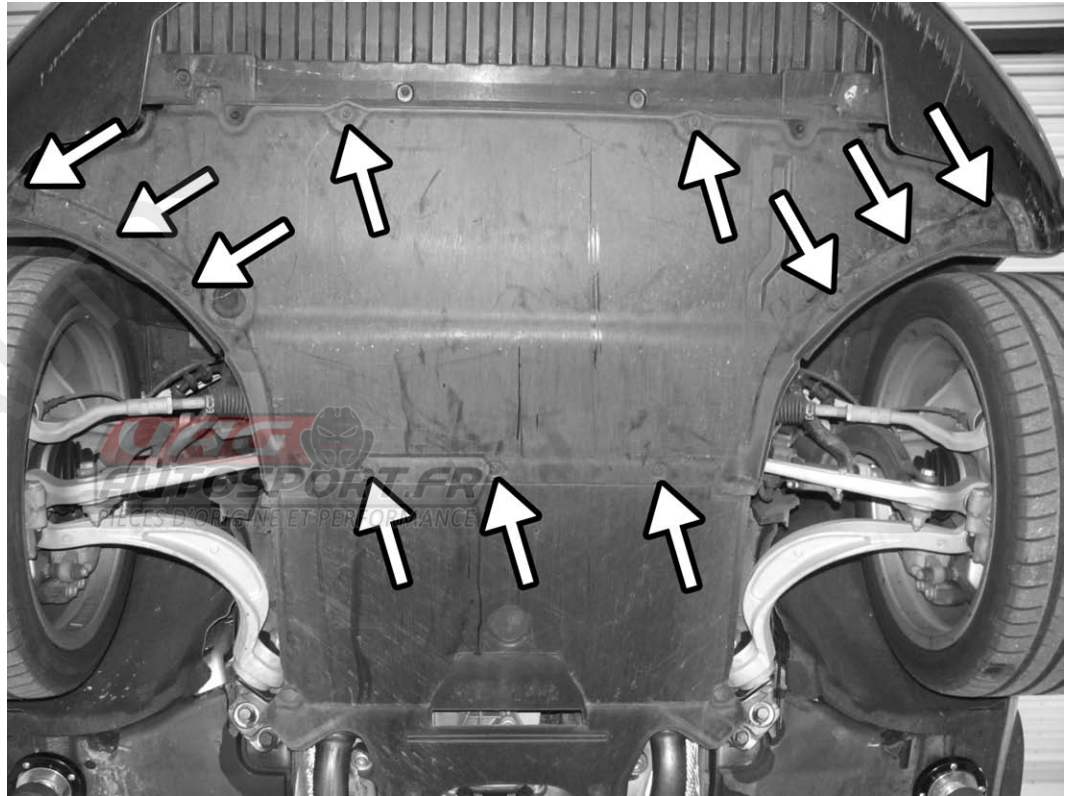
42) Reinstall 2 T25 Torx screws from fender well liner and reinstall the plastic clip.





43) Reinstall 4 T30 screws from bottom of bumper cover.

44) Reinstall the belly pan and the 11 quarter turn fasteners with a screwdriver.





45) Reinstall both front wheels. Remove vehicle from lift (or jack stands). Torque the wheel bolts to 120NM (90lb-ft). Enjoy!

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